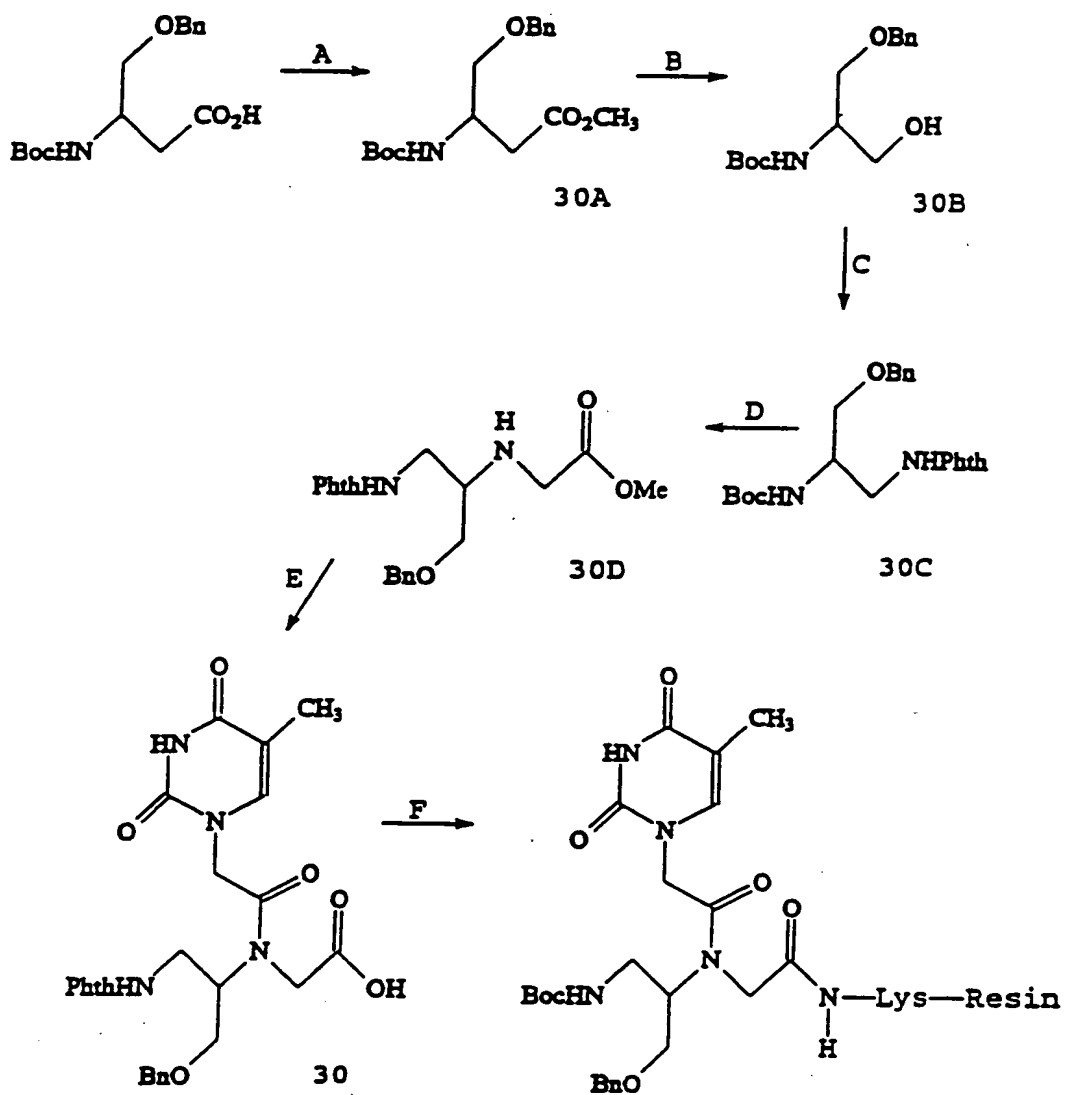
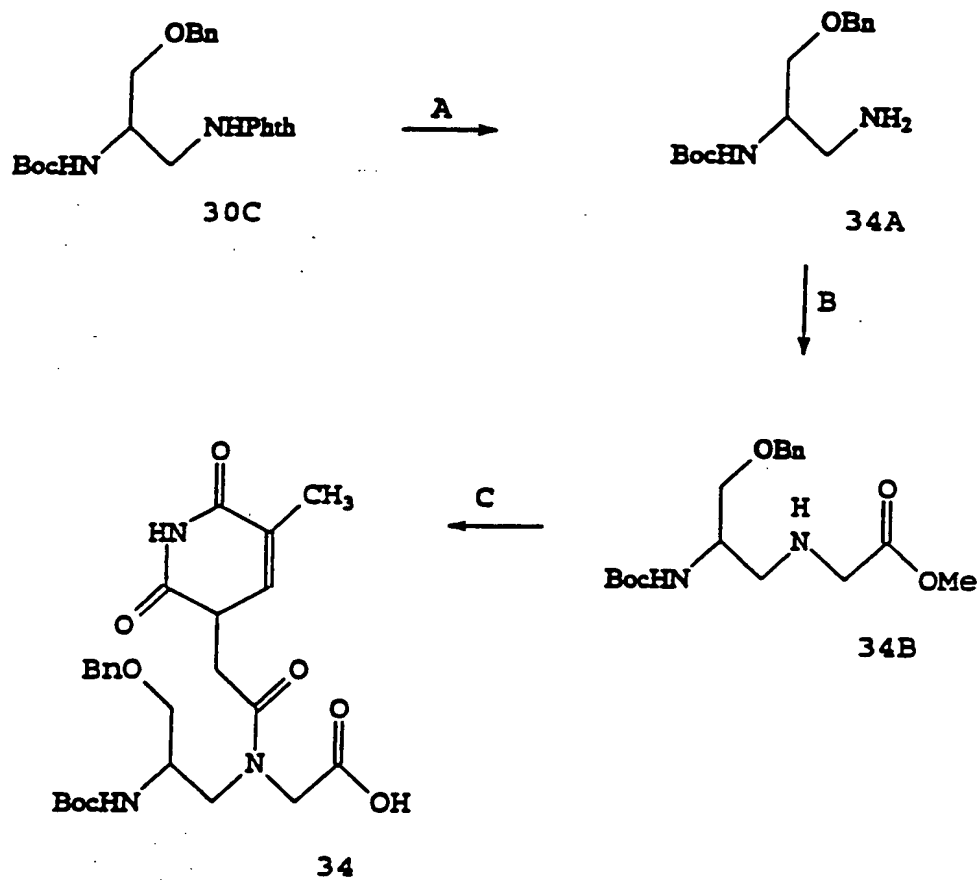


APPROVED	D.G. FIG. 1	
BY	CLASS	SUBCLASS
DRAFTSMAN	536	300



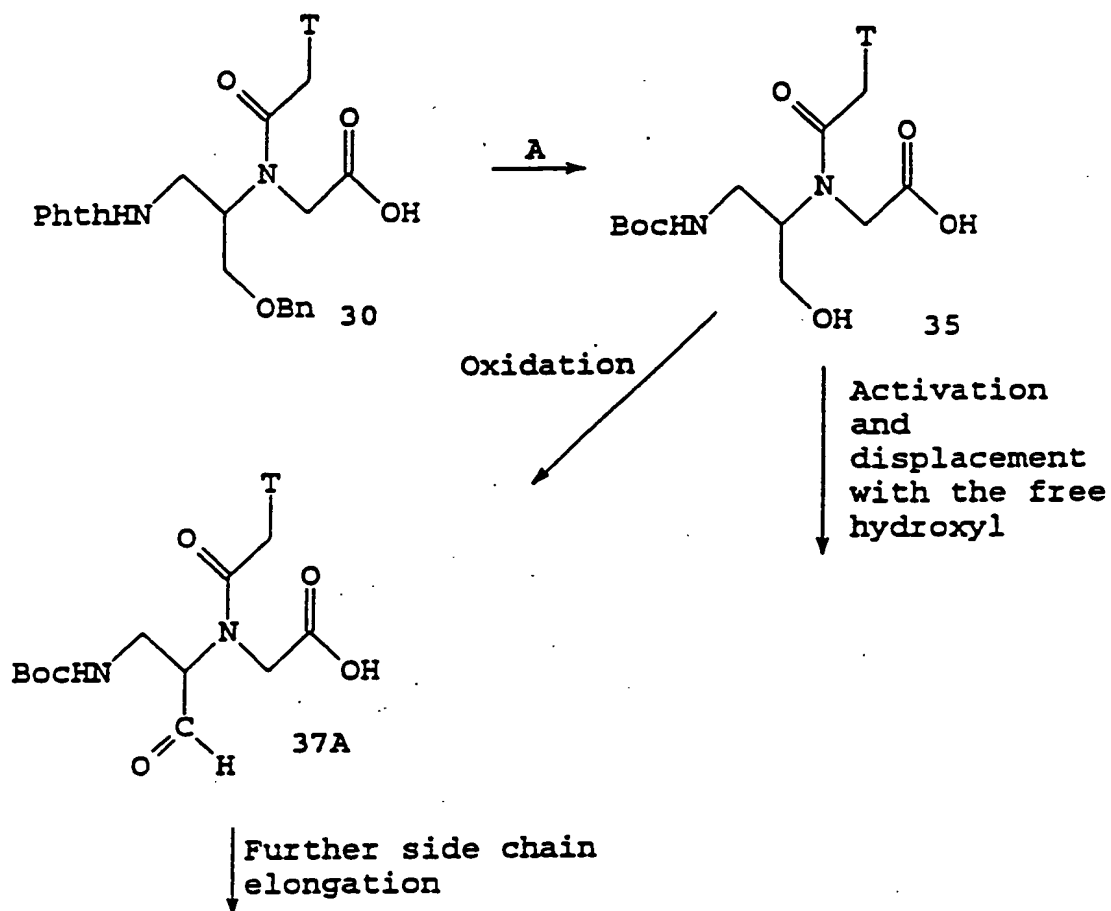
- A. Diazomethane, MeOH
- B. LiBH₄, MeOH
- C. PPh₃, Phthalimide, DEAD
- D. TFA, CH₂Cl₂, NaHCO₃, Methyl bromoacetate
- E. 1-Thyminylacetylchloride
- F. H₂NNH₂, Boc₂O, NaOH, MBHA Lys resin

Figure 1



- A. Hydrazine, Ethanol
 B. Methyl bromoacetate
 C. 1-Thyminylacetylchloride

Figure 2



A. H_2NNH_2 , $\text{Boc}_2\text{O}/\text{NaOH}$, $\text{LiBH}_4/\text{MeOH}$

Figure 3

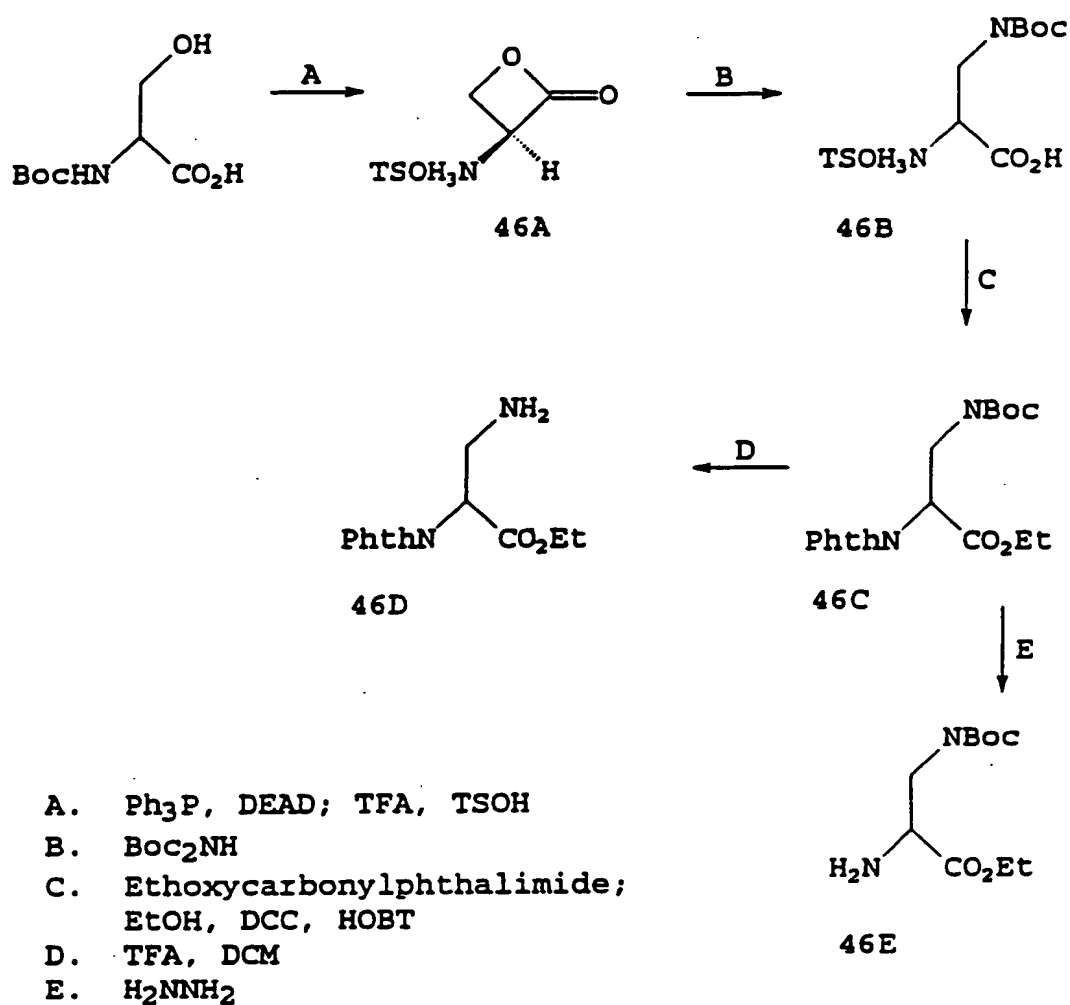
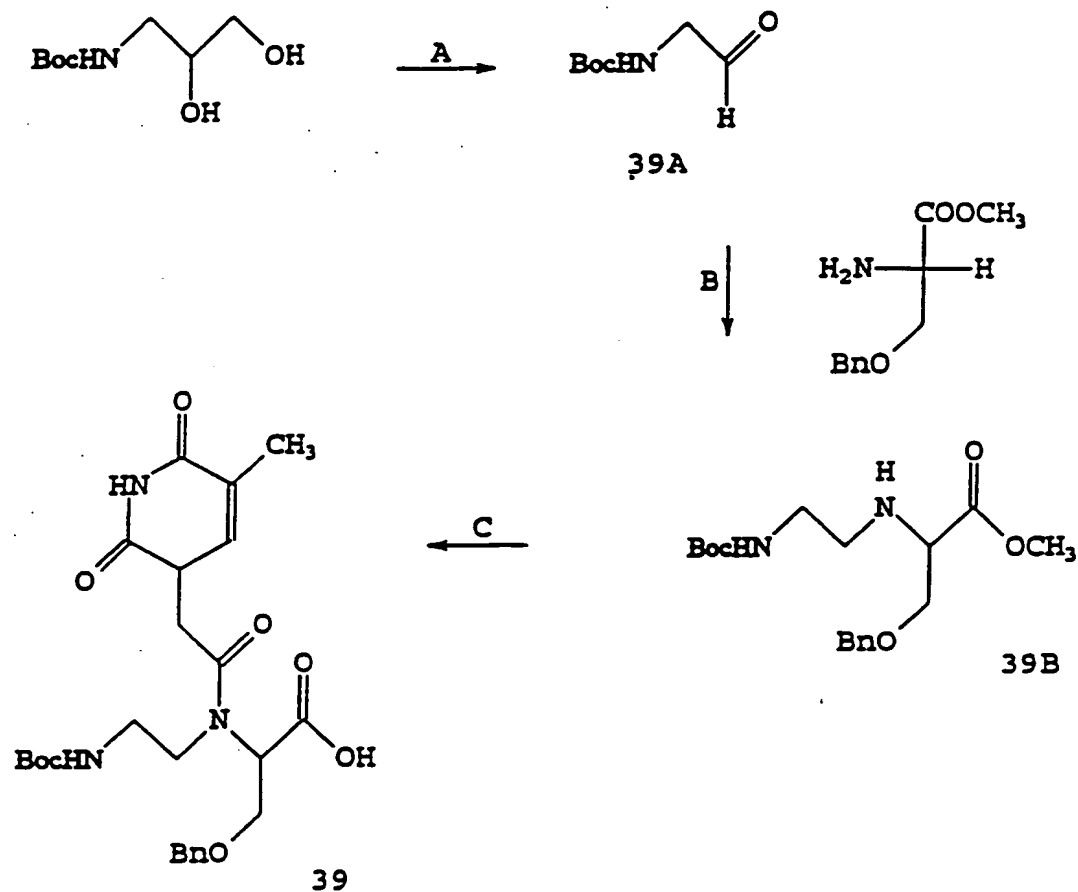


Figure 4

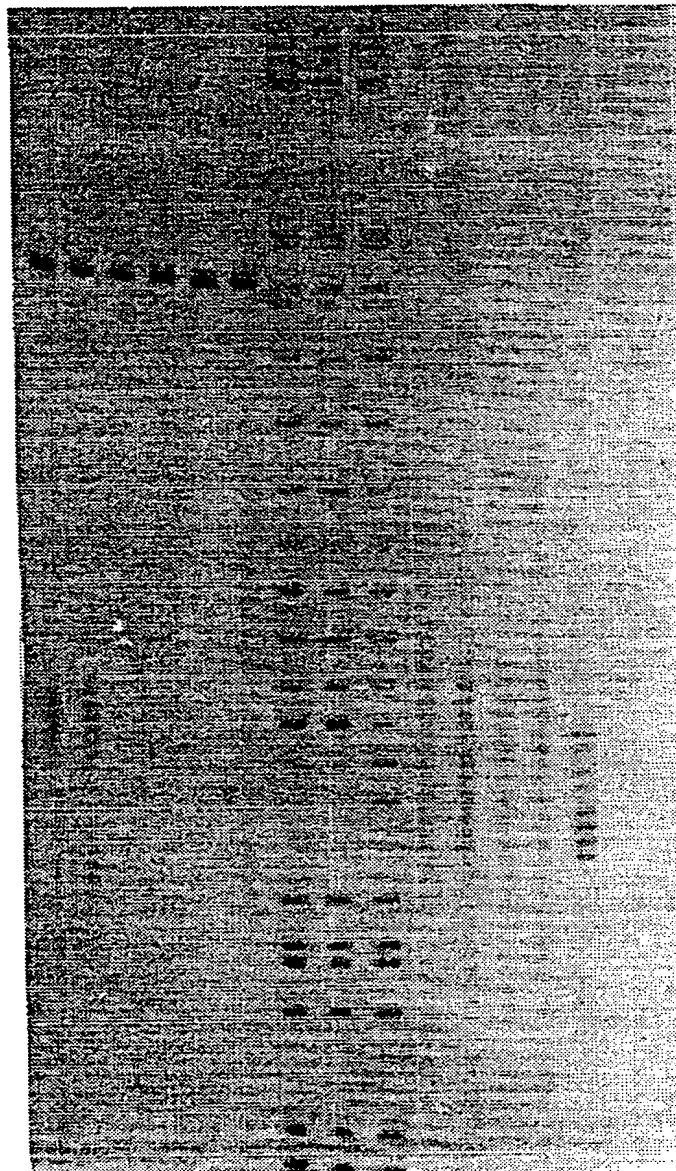


- A. Potassium m-periodate
 B. Glacial acetic acid, Sodium triacetoxyborohydride
 C. N-1-Carboxymethylthymine (Compound 3), 1N NaOH

Figure 5

APPROVED	O.G. FIG. 1.	
BY	CLASS	SUBCLASS
DRAFTSMAN	530	300

Seq.
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16



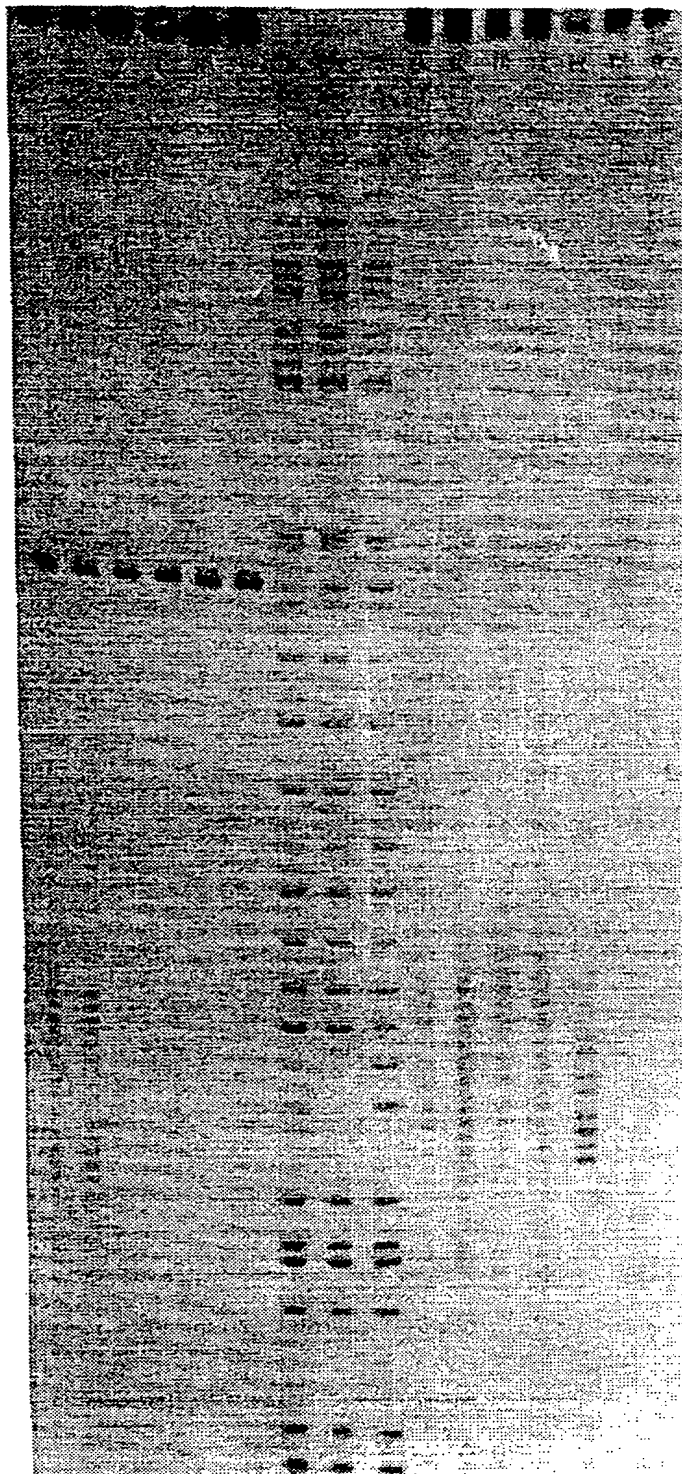
PNA
Binding Site

FIG. 6

APPROVED	O.G. FIG. 1.	
BY	CLASS	SUBCLASS
DRAFTSMAN	530	300

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
PNA	+	+	+	+	+	+	+	+	-	+	+	+	+	+	-	S
+EDTA-DTT	⊕	—				⊖	—				—					

DMS/KMnO₄



PNA
Target

FIG. 7